R-513A PT Chart

Saturation pressure vs temperature · Safety class A1 · Blend

°F / psig
°C / kPa

°F and psig

°F	Liquid bubble, psig	Vapor dew, psig
-40	*11.6"*	*11.7"*
-35	*8.9"*	*9.1"*
-30	*6.0"*	*6.1"*
-25	*2.7"*	*2.8"*
-20	0.5	0.4
-15	2.4	2.4
-10	4.6	4.6
-5	7.0	6.9
0	9.6	9.5
5	12.4	12.4
10	15.5	15.5
15	18.9	18.8
20	22.5	22.5
25	26.4	26.4
30	30.7	30.6
35	35.2	35.2
40	**40.1**	**40.1**
45	45.4	45.4
50	51.1	51.0
55	57.1	57.1
60	63.5	63.5
65	70.4	70.4
70	77.7	77.7
75	85.5	85.5
80	93.8	93.8
85	102.6	102.6
90	111.9	111.9
95	121.7	121.7
100	**132.1**	**132.1**
105	143.1	143.1
110	154.7	154.7
115	166.9	166.9
120	179.8	179.7
125	193.3	193.3
130	207.5	207.5
135	222.5	222.4
140	238.2	238.1
145	254.6	254.6
150	271.9	271.8

°C and kPa (gauge)

°C	Liquid bubble, kPa	Vapor dew, kPa
-40	-39.3	-39.7
-35	-22.3	-22.7
-30	-1.8	-2.2
-25	22.7	22.3
-20	51.6	51.3
-15	85.7	85.4
-10	125.3	125.0
-5	171.1	170.9
0	223.8	223.6
5	283.8	283.7
10	352.0	351.9
15	429.0	428.9
20	515.4	515.4
25	612.1	612.1
30	719.8	719.8
35	839.2	839.2
40	971.2	971.1
45	1116.5	1116.5
50	1276.2	1276.0
55	1451.0	1450.8
60	1642.0	1641.7
65	1850.3	1849.9

Liquid = bubble point (use for subcooling). Vapor = dew point (use for superheat).
°F table: italic " = inches of mercury (inHg) vacuum.
°C table: negative kPa = vacuum.
Rows every 5° plus the first and last row. Every degree is on the website.
Source: manufacturer and supplier charts (Chemours, Arkema, A-Gas). Reference only: always verify with the manufacturer's data and your gauges.